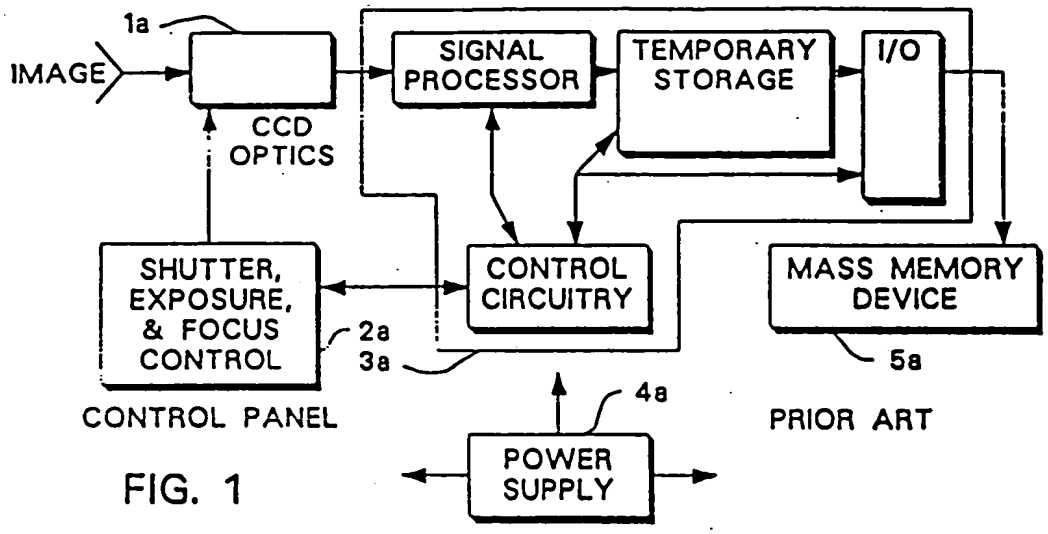


FIG. 1

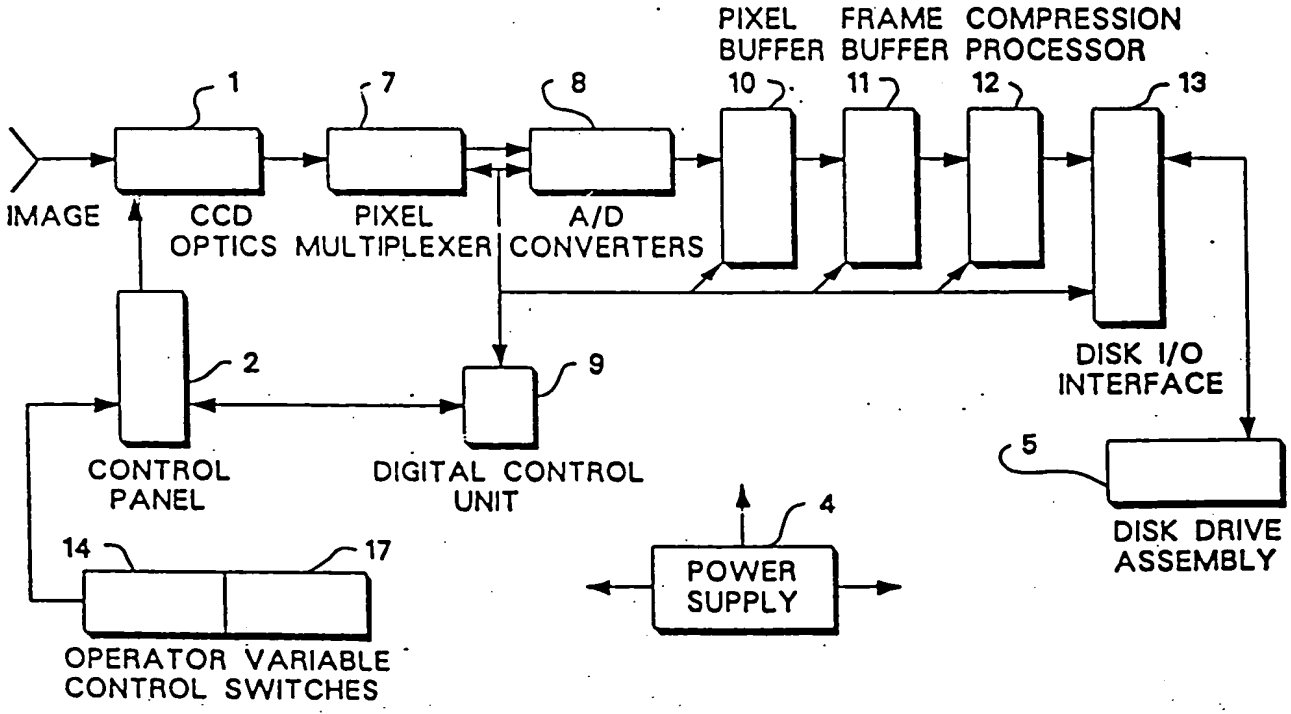


FIG. 2

20 FIG

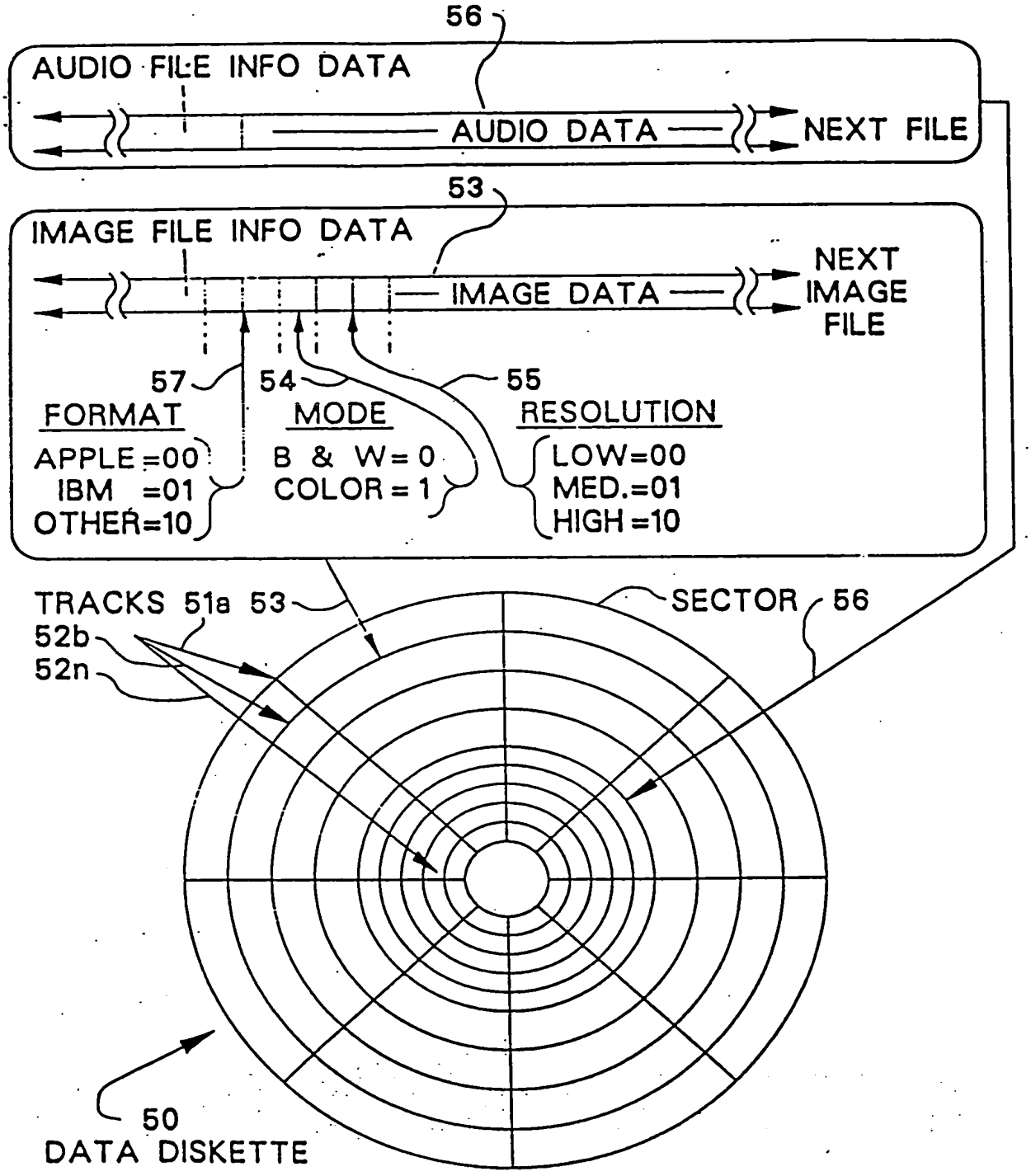

56
AUDIO FILE INFO DATA
AUDIO DATA
NEXT FILE
53
IMAGE FILE INFO DATA
IMAGE DATA
NEXT IMAGE FILE
57
54
55
FORMAT
MODE
RESOLUTION
APPLE =00
IBM =01
OTHER=10
B & W = 0
COLOR = 1
LOW=00
MED.=01
HIGH =10
TRACKS 51a
53
SECTOR
56
52b
52n
50
DATA DISKETTE

FIG. 2A

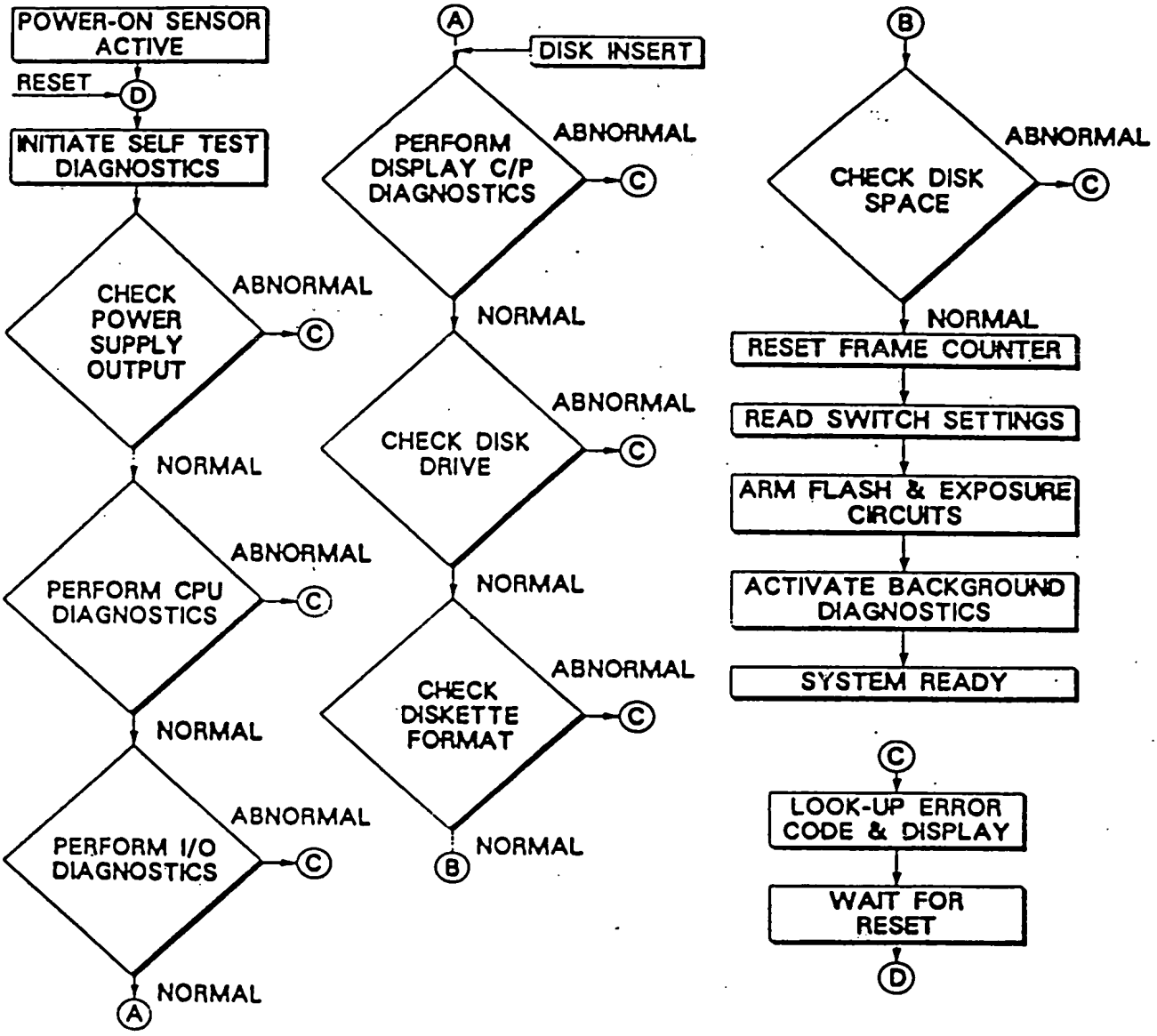
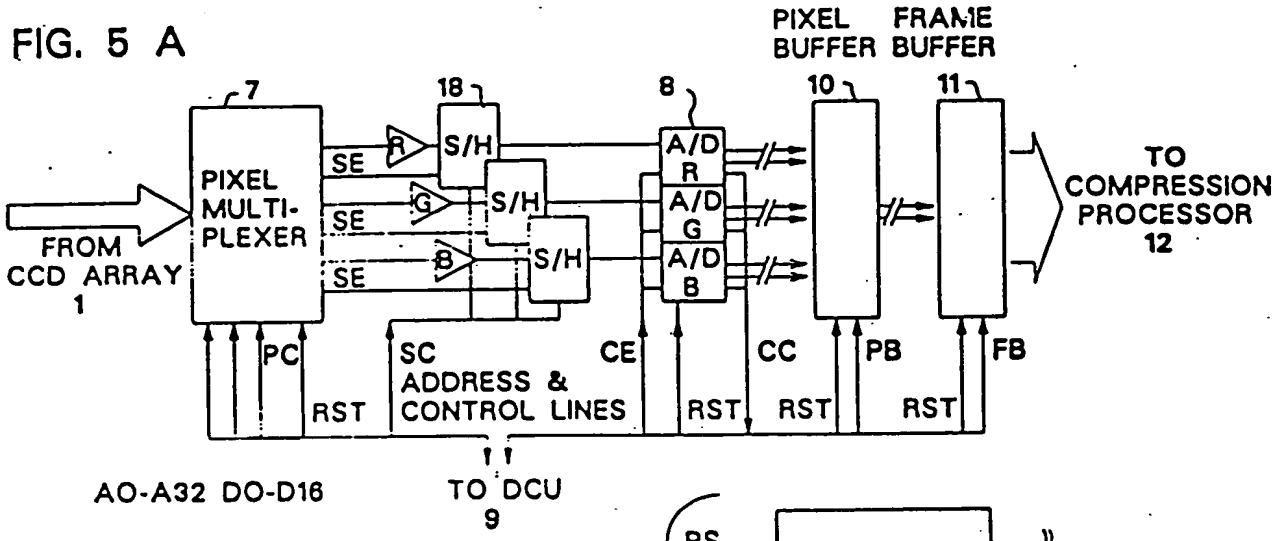

POWER-ON SENSOR ACTIVE
RESET
D
INITIATE SELF TEST DIAGNOSTICS
CHECK POWER SUPPLY OUTPUT
ABNORMAL
C
NORMAL
PERFORM CPU DIAGNOSTICS
ABNORMAL
C
NORMAL
PERFORM I/O DIAGNOSTICS
ABNORMAL
C
NORMAL
A
A
DISK INSERT
PERFORM DISPLAY C/P DIAGNOSTICS
ABNORMAL
C
NORMAL
CHECK DISK DRIVE
ABNORMAL
C
NORMAL
CHECK DISKETTE FORMAT
ABNORMAL
C
NORMAL
B
B
CHECK DISK SPACE
ABNORMAL
C
NORMAL
RESET FRAME COUNTER
READ SWITCH SETTINGS
ARM FLASH & EXPOSURE CIRCUITS
ACTIVATE BACKGROUND DIAGNOSTICS
SYSTEM READY
C
LOOK-UP ERROR CODE & DISPLAY
WAIT FOR RESET
D

FIG. 3

FIG. 5 A



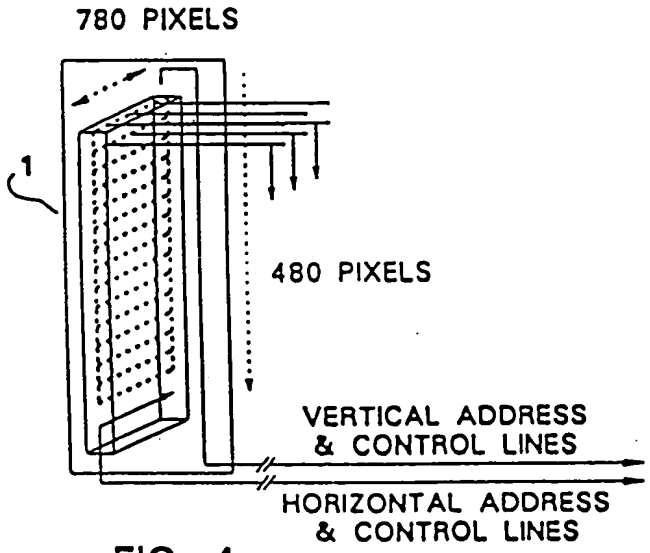


FIG. 4

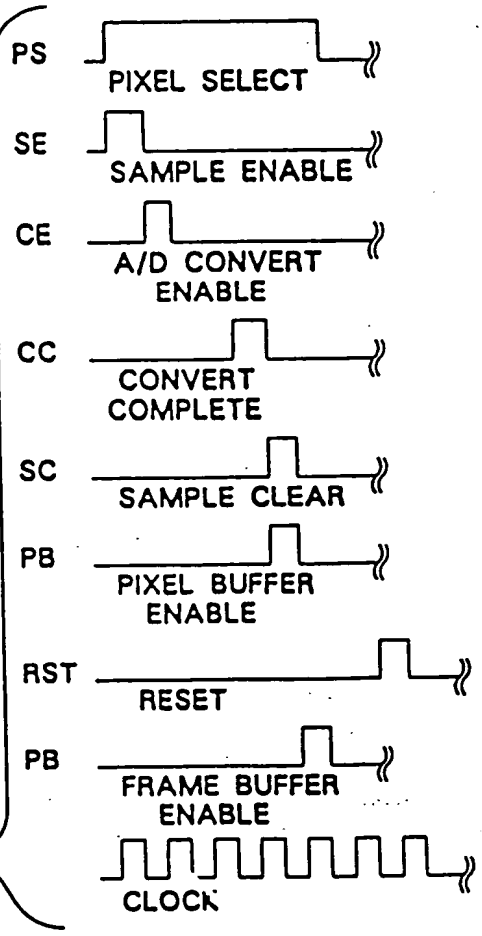


FIG. 5B

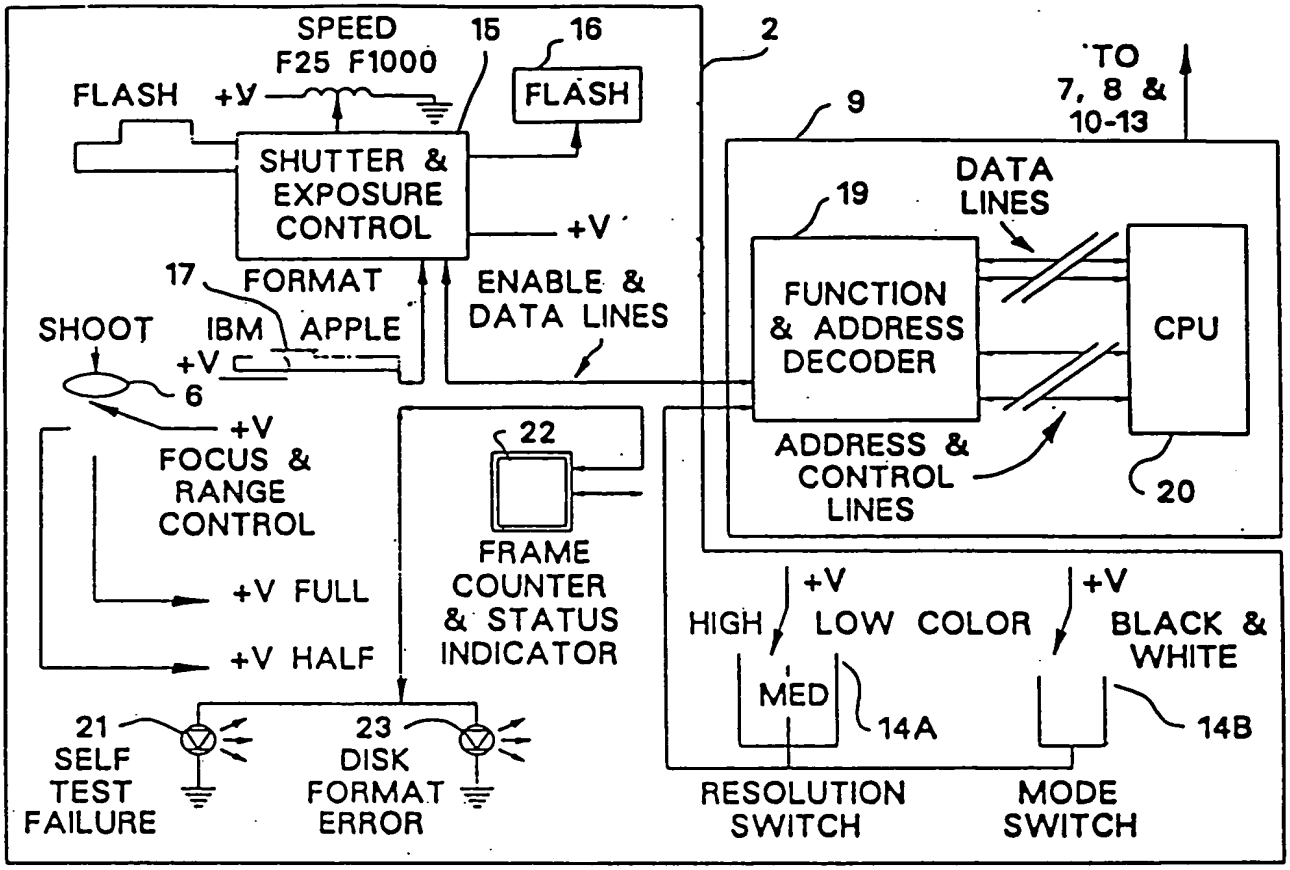


FIG. 6

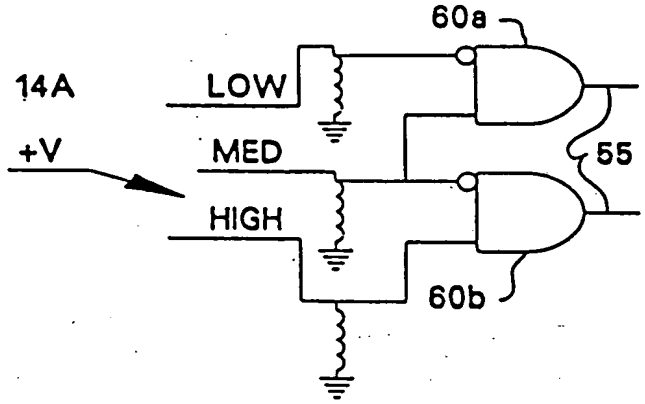


FIG. 6A

512-BYTE HEADER
picSIZE
picFRAME
OPCODE
PICTURE DATA
⋮
OPCODE
PICTURE DATA END OF PICTURE

FIG.6B

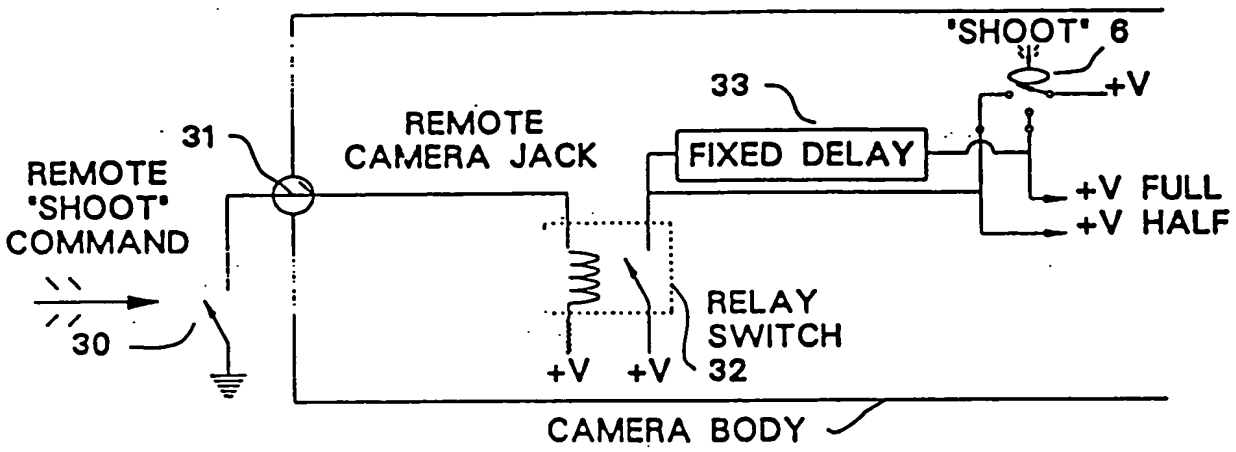

"SHOOT" 6
+V
33
31
REMOTE CAMERA JACK
FIXED DELAY
REMOTE "SHOOT" COMMAND
+V FULL
+V HALF
RELAY SWITCH 32
30
+V +V
CAMERA BODY

FIG. 6C

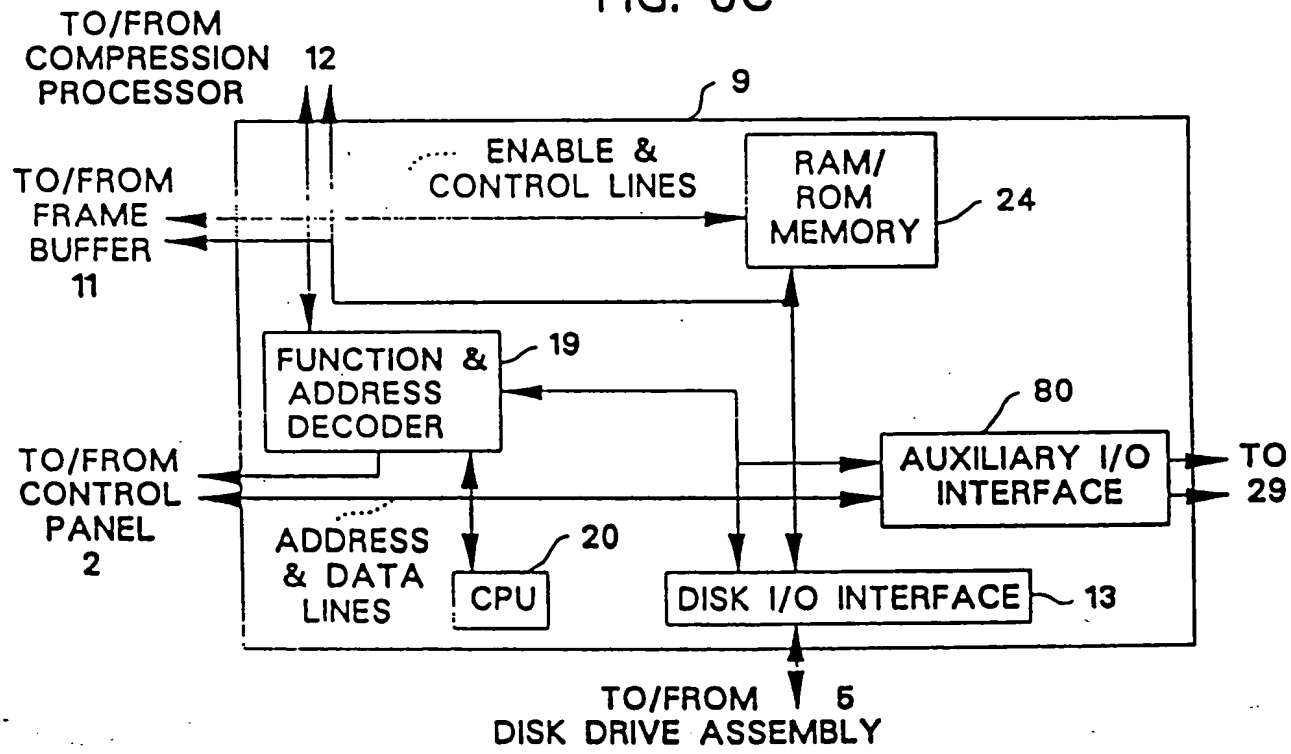

TO/FROM COMPRESSION PROCESSOR 12
9
ENABLE & CONTROL LINES
RAM/ ROM MEMORY 24
TO/FROM FRAME BUFFER 11
FUNCTION & ADDRESS DECODER 19
80
AUXILIARY I/O INTERFACE
TO 29
TO/FROM CONTROL PANEL 2
ADDRESS & DATA LINES
20
CPU
DISK I/O INTERFACE 13
TO/FROM 5 DISK DRIVE ASSEMBLY

FIG. 7

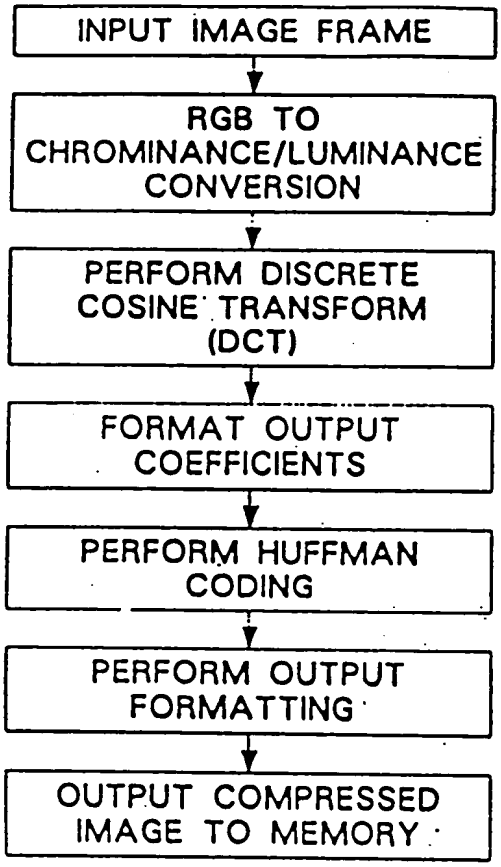


FIG. 8

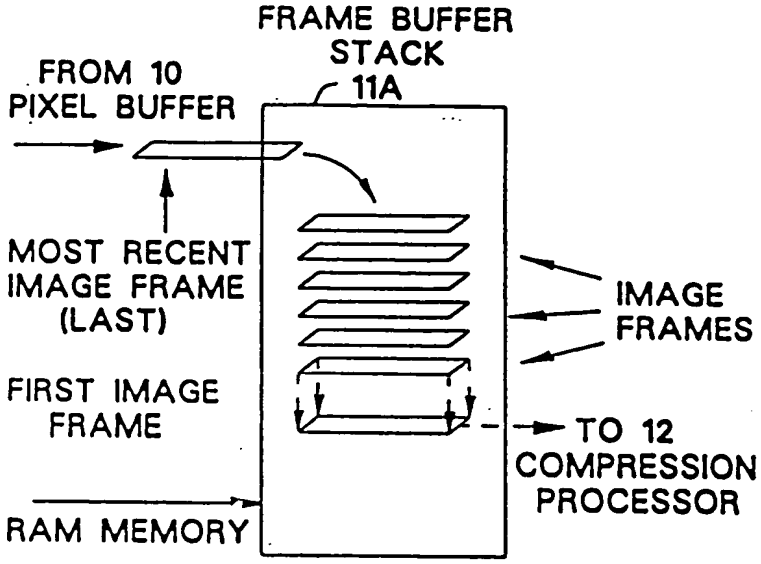


FIG. 13

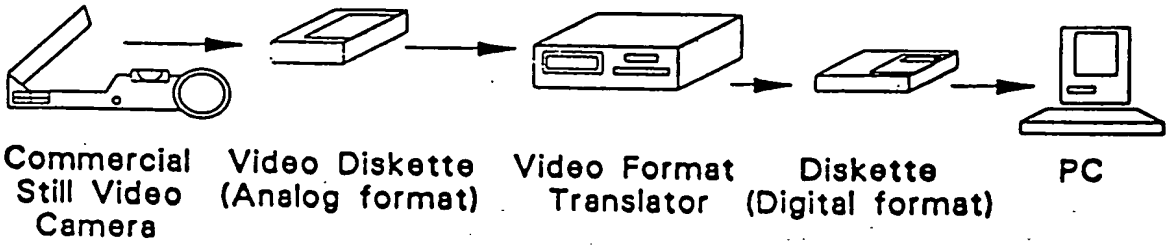


FIG. 10

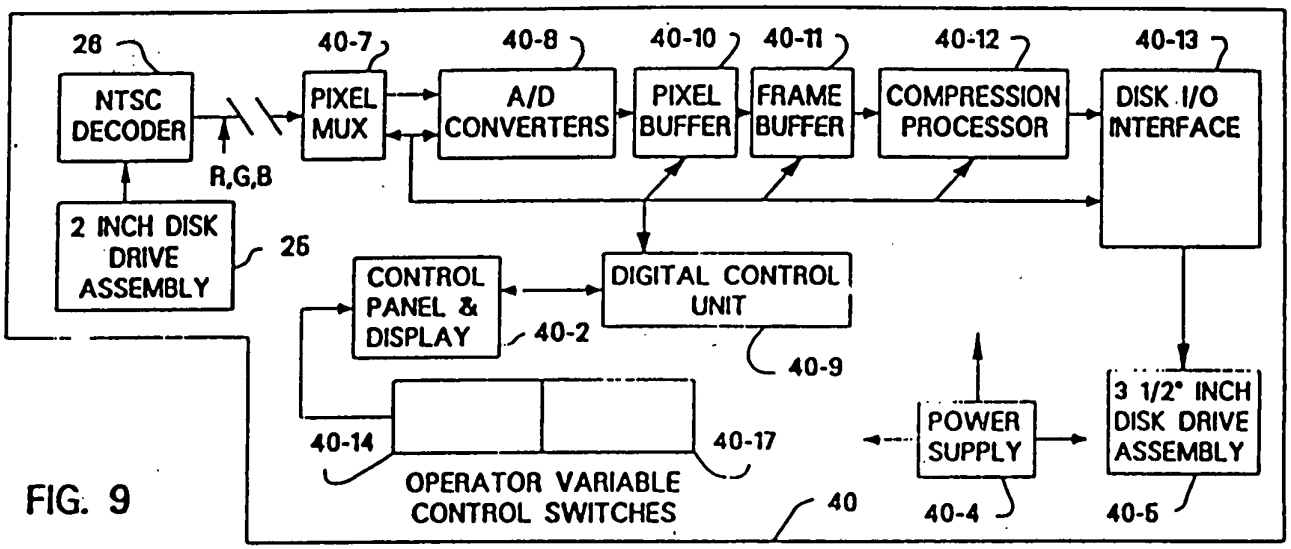

26
NTSC DECODER
R,G,B
2 INCH DISK DRIVE ASSEMBLY
26
40-7
PIXEL MUX
40-8
A/D CONVERTERS
40-10
PIXEL BUFFER
40-11
FRAME BUFFER
40-12
COMPRESSION PROCESSOR
40-13
DISK I/O INTERFACE
CONTROL PANEL & DISPLAY
40-2
DIGITAL CONTROL UNIT
40-9
40-14
40-17
OPERATOR VARIABLE CONTROL SWITCHES
POWER SUPPLY
40-4
3 1/2" INCH DISK DRIVE ASSEMBLY
40-6
40

FIG. 9

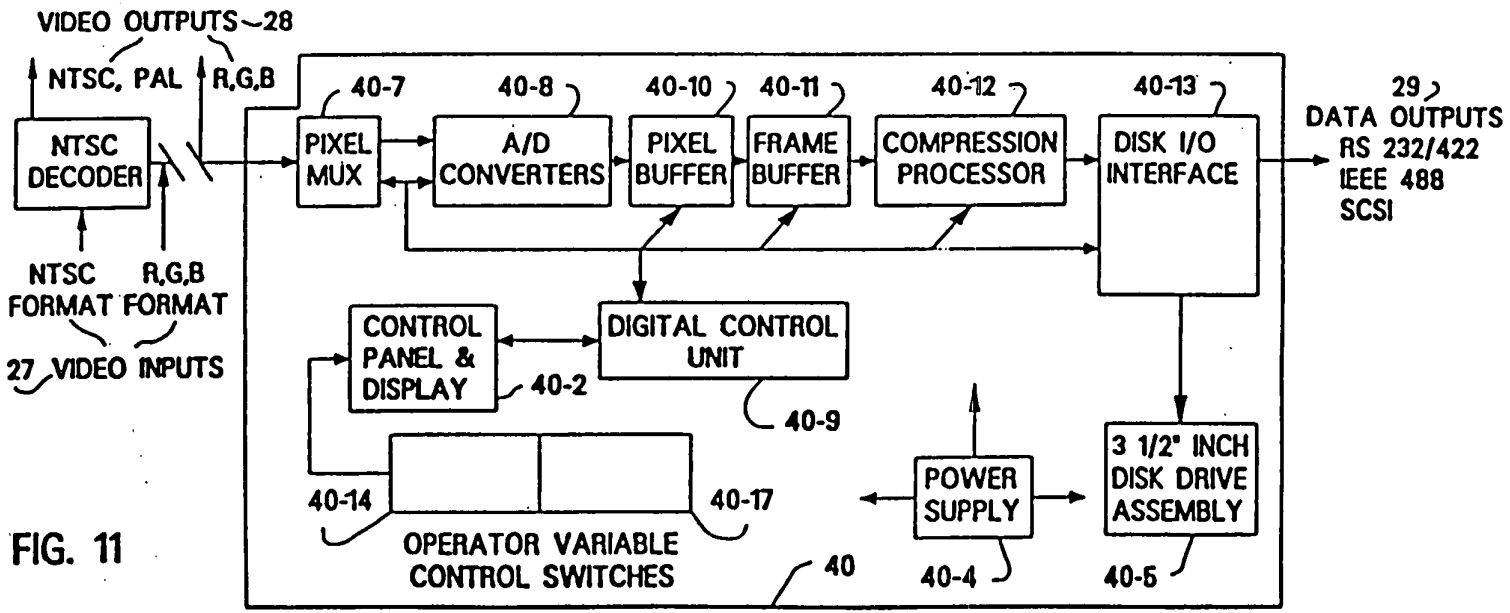

VIDEO OUTPUTS 28
NTSC, PAL
R,G,B
NTSC DECODER
NTSC FORMAT
R,G,B FORMAT
27 VIDEO INPUTS
40-7
PIXEL MUX
40-8
A/D CONVERTERS
40-10
PIXEL BUFFER
40-11
FRAME BUFFER
40-12
COMPRESSION PROCESSOR
40-13
DISK I/O INTERFACE
29
DATA OUTPUTS
RS 232/422
IEEE 488
SCSI
CONTROL PANEL & DISPLAY
40-2
DIGITAL CONTROL UNIT
40-9
40-14
40-17
OPERATOR VARIABLE CONTROL SWITCHES
POWER SUPPLY
40-4
3 1/2" INCH DISK DRIVE ASSEMBLY
40-6
40

FIG. 11

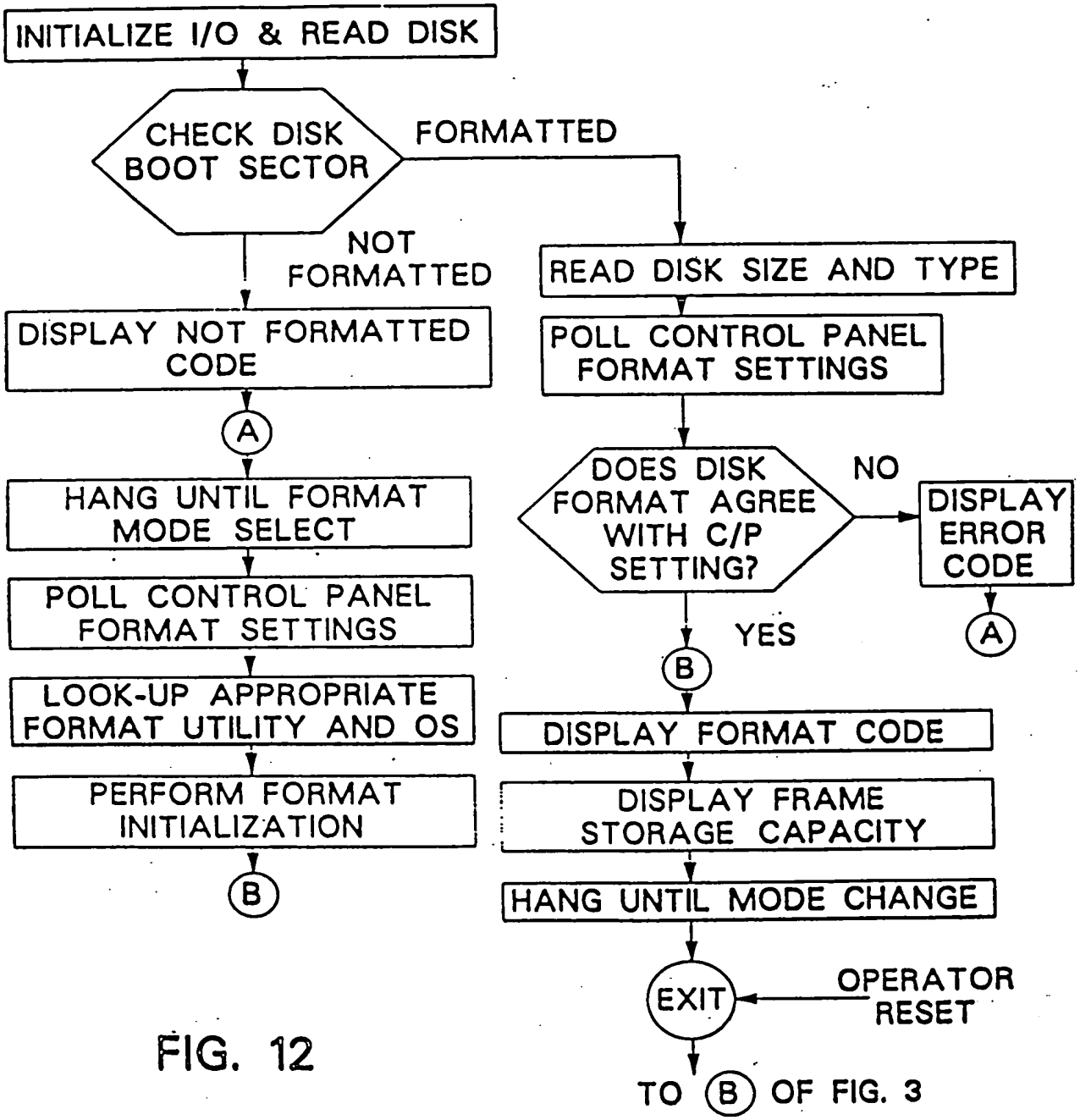

INITIALIZE I/O & READ DISK
CHECK DISK BOOT SECTOR
FORMATTED
NOT FORMATTED
DISPLAY NOT FORMATTED CODE
A
HANG UNTIL FORMAT MODE SELECT
POLL CONTROL PANEL FORMAT SETTINGS
LOOK-UP APPROPRIATE FORMAT UTILITY AND OS
PERFORM FORMAT INITIALIZATION
B
READ DISK SIZE AND TYPE
POLL CONTROL PANEL FORMAT SETTINGS
DOES DISK FORMAT AGREE WITH C/P SETTING?
NO
DISPLAY ERROR CODE
A
YES
B
DISPLAY FORMAT CODE
DISPLAY FRAME STORAGE CAPACITY
HANG UNTIL MODE CHANGE
EXIT
OPERATOR RESET
TO B OF FIG. 3

FIG. 12

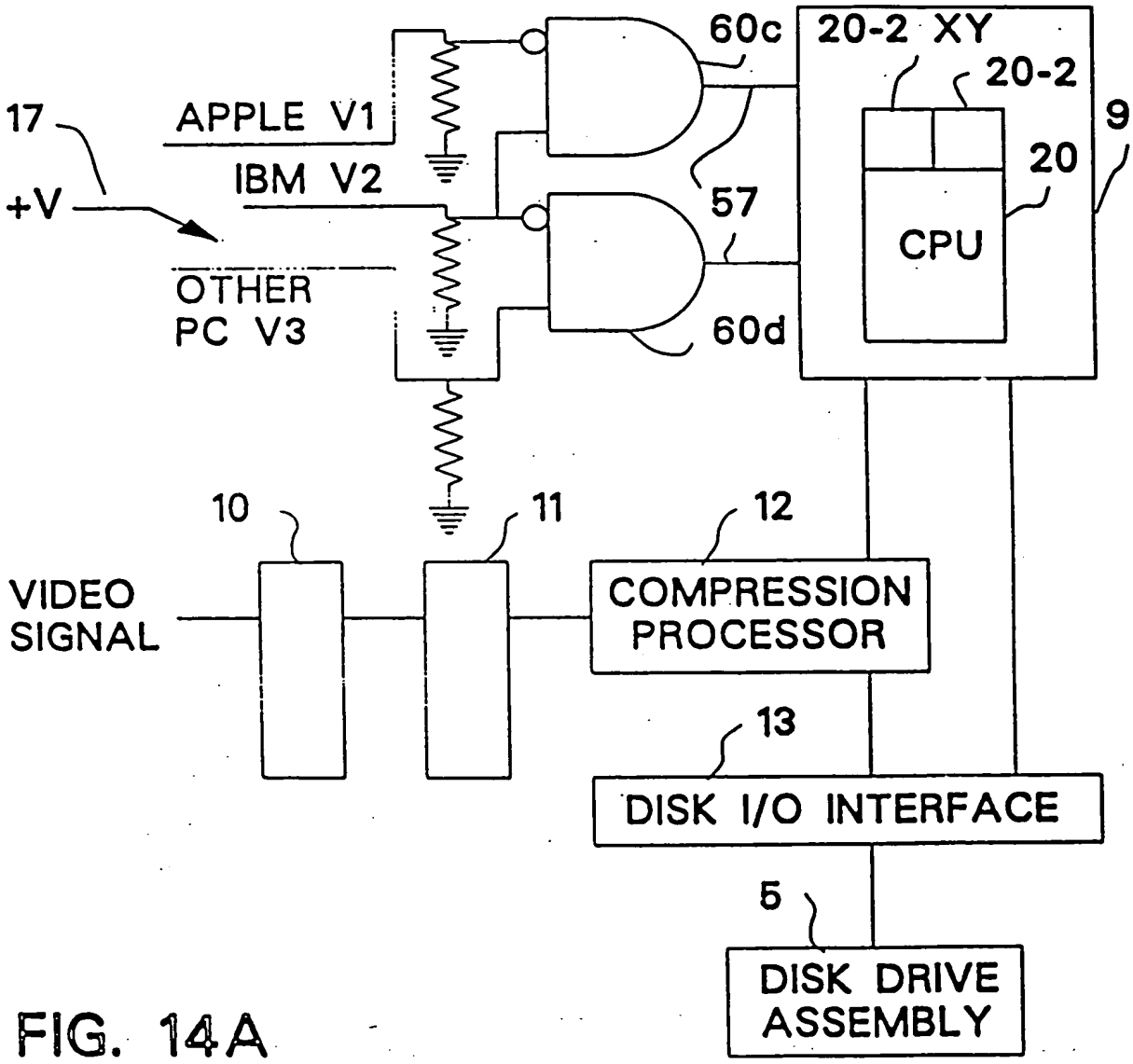

17
+V
APPLE V1
IBM V2
OTHER
PC V3
60c
57
60d
20-2 XY
20-2
20
9
CPU
10
11
12
VIDEO
SIGNAL
COMPRESSION
PROCESSOR
13
DISK I/O INTERFACE
5
DISK DRIVE
ASSEMBLY

FIG. 14A

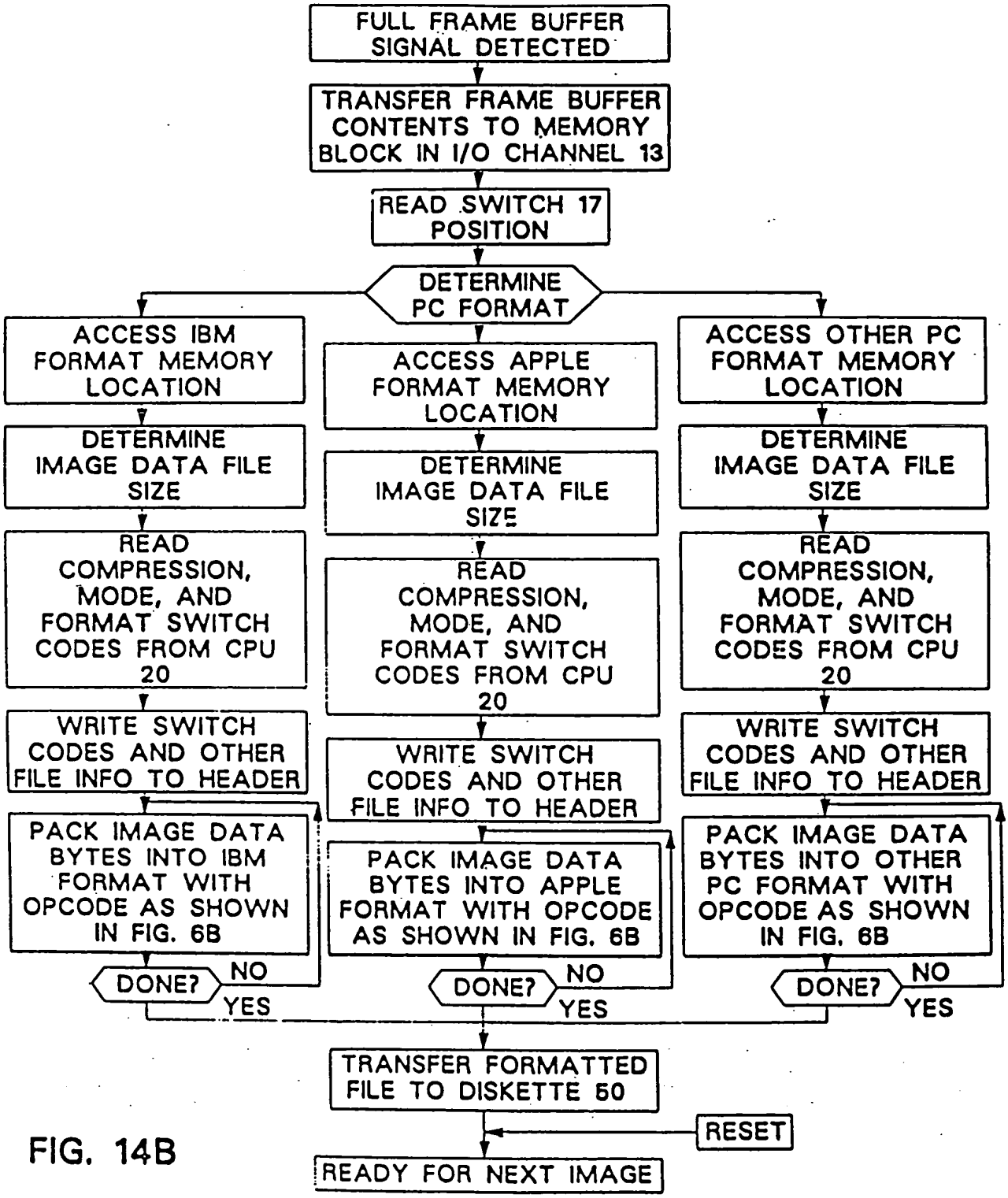

FULL FRAME BUFFER SIGNAL DETECTED
TRANSFER FRAME BUFFER CONTENTS TO MEMORY BLOCK IN I/O CHANNEL 13
READ SWITCH 17 POSITION
DETERMINE PC FORMAT
ACCESS IBM FORMAT MEMORY LOCATION
ACCESS APPLE FORMAT MEMORY LOCATION
ACCESS OTHER PC FORMAT MEMORY LOCATION
DETERMINE IMAGE DATA FILE SIZE
DETERMINE IMAGE DATA FILE SIZE
DETERMINE IMAGE DATA FILE SIZE
READ COMPRESSION, MODE, AND FORMAT SWITCH CODES FROM CPU 20
READ COMPRESSION, MODE, AND FORMAT SWITCH CODES FROM CPU 20
READ COMPRESSION, MODE, AND FORMAT SWITCH CODES FROM CPU 20
WRITE SWITCH CODES AND OTHER FILE INFO TO HEADER
WRITE SWITCH CODES AND OTHER FILE INFO TO HEADER
WRITE SWITCH CODES AND OTHER FILE INFO TO HEADER
PACK IMAGE DATA BYTES INTO IBM FORMAT WITH OPCODE AS SHOWN IN FIG. 6B
PACK IMAGE DATA BYTES INTO APPLE FORMAT WITH OPCODE AS SHOWN IN FIG. 6B
PACK IMAGE DATA BYTES INTO OTHER PC FORMAT WITH OPCODE AS SHOWN IN FIG. 6B
DONE?
NO
YES
DONE?
NO
YES
DONE?
NO
YES
TRANSFER FORMATTED FILE TO DISKETTE 50
RESET
READY FOR NEXT IMAGE

FIG. 14B